Windows®. Life without Walls™. Fujitsu recommends Windows 7.

# **FUJITSU**

## Data Sheet Fujitsu ESPRIMO P7936 E85+ Desktop PC

The expandable business workhorse

The ESPRIMO P7936 E85+ equipped with state-of-the-art Intel® chip and processor technology is the ideal partner for all your demanding business applications. Produced with specially selected material and equipped with comprehensive powersave options, such as up to 87% efficient power supply and energy-saving management, the ESPRIMO microtower PC today already meets the environment requirements of tomorrow and cuts your energy costs. With extended system management functions, intelligent hardware design, extensive tests and a lifecycle of up to 18 months, the high performance levels of this PC meet every requirement.

#### Microtower

Maximum performance and optimal extendability

■ Top-quality, high-value microtower, 6 drive bays, 4 PCI/PCI express interfaces

#### Environmentally compatible product

Your contribution to environmental protection for the continued existence of our planet

■ Halogen-free mainboard, sophisticated product concept for the entire lifecycle

#### Silent operation

Pleasant working environment due to an extremely quiet system

■ Innovative hardware design, optimized fan concept

#### System management

Easy system administration for complex IT infrastructure

Intel® vPro™ technology

#### **Energy saving**

Low power consumption and low costs, without any loss in performance.

Low energy-consuming processors, up to 87% efficient power supply and enhanced power management settings





















### Components

Processor	Intel® Core™2 Quad processor Q9550 (4 Cores / 4 Threads, 2.83 GHz, 12 MB, 1333 MHz)
	Intel® Core™2 Quad processor Q9505 (4 Cores / 4 Threads, 2.83 GHz, 6 MB, 1333 MHz)
	Intel® Core™2 Quad processor Q8300 (4 Cores / 4 Threads, 2.5 GHz, 4 MB, 1333 MHz)
	Intel® Core™2 Duo processor E8600 (2 Cores / 2 Threads, 3.33 GHz, 6 MB, 1333 MHz)
	Intel® Core™2 Duo processor E8500 (2 Cores / 2 Threads, 3.16 GHz, 6 MB, 1333 MHz)
	Intel® Core™2 Duo processor E8400 (2 Cores / 2 Threads, 3.0 GHz, 6 MB, 1333 MHz)
	Intel® Core™2 Duo processor E7600 (2 Cores / 2 Threads, 3.06 GHz, 3 MB, 1066 MHz)
	Intel® Core™2 Duo processor E7500 (2 Cores / 2 Threads, 2.93 GHz, 3 MB, 1066 MHz)
	Intel® Pentium® processor E6600 (2 Cores / 2 Threads, 3.06 GHz, 2 MB, 1066 MHz)
	Intel® Pentium® processor E5800 (2 Cores / 2 Threads, 3.2 GHz, 2 MB, 800 MHz)
	Intel® Celeron® processor E3400 (2 Cores / 2 Threads, 2.6 GHz, 1 MB, 800 MHz)
	Intel® Celeron® processor 450 (1 Core / 1 Threads, 2.2 GHz, 512 KB, 800 MHz)
Operating system	
Operating system	Genuine Windows® 7 Home Basic (EM) 32-bit
, , , , .	Genuine Windows® 7 Home Premium 64-bit
	Genuine Windows® 7 Professional 32-bit
	Genuine Windows® 7 Professional 64-bit
Operating system compatible	openSUSE Linux
	Genuine Windows Vista®
	Genuine Windows® XP
Operating system notes	Buy Microsoft® Office 2010 to use the full-featured Office software on this PC.
	Limited Windows® XP support. Microsoft discontinued Windows® XP certification on system level, basic drivers via
	http://support.ts.fujitsu.com
Memory modules	1 GB (1 module(s) 1 GB) DDR3, unbuffered, non-ECC, 1066 MHz, PC3-8500, DIMM
	2 GB (1 module(s) 2 GB) DDR3, unbuffered, non-ECC, 1066 MHz, PC3-8500, DIMM
	4 GB (1 module(s) 4 GB) DDR3, unbuffered, non-ECC, 1066 MHz, PC3-8500, DIMM
Hard disk drives (internal)	SSD SATA, 128 GB, 2.5-inch
	SATA III, 7200 rpm, 500 GB, 3.5-inch, business critical
	SATA II, 7200 rpm, 1000 GB, 3.5-inch, S.M.A.R.T.
	SATA II, 7200 rpm, 500 GB, 3.5-inch, S.M.A.R.T.
	SATA II, 7200 rpm, 320 GB, 3.5-inch, S.M.A.R.T.
	SATA II, 7200 rpm, 250 GB, 3.5-inch, S.M.A.R.T.
	SATA II, 7200 rpm, 160 GB, 2.5-inch, S.M.A.R.T.
Hard disk notes	Supporting NCQ and 3 GBit
Graphics add on cards (optional)	NVIDIA® Quadro® NVS 290, 256 MB
diapines and on cards (optional)	NVIDIA® GeForce® GT 420
	NVIDIA® GeForce® 405 display port full height
	DVI Extension Adapter
	DVI-D + DisplayPort Extension Adapter
	DP to DVI-D (single link) Adapter Cable
	ATI Radeon® HD 5450, 512 MB
Drives (optional)	1.44 MB Floppy
	Blu-ray Disc™ Triple Writer
	DVD-ROM
	DVD Super Multi
	MultiCard Reader 20in1, USB 2.0, 3.5-Inch
	MultiCard Reader 20in1 USB 3.0 front con., 3.5-Inch

Page 2 / 8

WJAN II, 802.11g/baft-n [Windows only]   USB 3.0 PClc x1   Pontlet introface   Modern adapter ist (\$U)   Modern Sisk ind. [1] I modern adabte   Gapater Itheren PClc x1   Flexible PCl		
WLAN III, 80.2 1 ig (Parls-in (Windows only)	Interface add on cards/components	
USB 3.0 PCP x1   Patallel Interface   Modem adapte his (EU)   Modem Sick incl. B) It modem cable   Gapabit Ethernee PCEx x1   FireWire PCL cad IFFE1394   e244   E444	(optional)	WI AN III 002 11a/Destr a (Windows eals)
Parallel initerface   Modern dispers kit [FU]   Modern Sisk its [FU]   Modern Sisk its [FU]   Modern Sisk its [FU]   Modern Sisk its [FU]   Further PUC and EFET 394   EFENVIN PUT Cand EFET 394		
Modem adapter kit (EU) Modem 5k kind. RJ11 modem cable Gigabit Etherae PCE x1 FireWire PCI cand IEEE1394 eSXFAI Interface Dual serial card PCI  Base unit ESPRIMO P7936 E85+  Mainboard  Mainboard  Mainboard UP  Ma		
Modem Sek incl. R[11 modem cable   Gligabite Ethemet PCle x1   Filewin PCL cacil EEE1394   eSAIA Interface   Dual serial card PCl		
Gigabit Ethernet PCle xI		
FineWise PCL Card IFEE 1394		
Sase unit  SPRIMO P796 EBS+  Mainboard  Mainboard ype  03012  Formfactor  BIX Chipset  Intel® 045 Processor socke  LGA 775 Processor quantity maximum  1 System bus (FSB / HT / OP)  up to 1333 MHz  Memory slots  Memory slots  Memory frequency  1066 MHz  Memory notes  Memory slots  BIOS Features  BIOS Features  BIOS Flash EPROM update by software  Recovery BIOS  Audio codec  Realtek AL (663  Audio redatures  Internal speaker supports audio playback, High Definition audio, 5.1 surround sound  Internal speaker supports audio playback, High Definition audio, 5.1 surround sound  Internal speaker supports audio playback, High Definition audio, 5.1 surround sound  Internal speaker supports audio playback, High Definition audio, 5.1 surround sound  Internal speaker supports audio playback, High Definition audio, 5.1 surround sound  Internal speaker supports audio playback, High Definition audio, 5.1 surround sound  Interfaces  Validic line-in hoard  Internal speaker supports audio playback, High Definition audio, 5.1 surround sound  Interfaces  Validic line-in microphone  1 Audio: line-in microphone  1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
Base unit ESPRIMO P7936 E85+  Mainboard  Mainboard ype D3012  Formator BTX  Chipset Intel® 045  Processor socket LGA775  Processor socket LGA775  Processor socket LGA775  Processor guantity maximum 1  1 1  System bus (FSB + HT /DP) up to 1333 MHz  Memory solts 4 DIMM (D0R3)  Supported capacity RAM (max.) 16 GB  Memory frequency 1666 MHz  Memory notes Dual channel support:		
Base unit ESPRIMO P7936 E85+  Mainboard  Mainboard type D3012  Formfactor BTX  Chipset Intel® Q45  Processor socket 16A 775  Processor quantity maximum 1  System bus (F8 / HT / OP)  Memory Sits 4 DIMM (DDR3)  Supported capacity RAM (max) 15 GB  Memory Inequency 1066 MHz  Memory Inequency 1066 MHz  Memory Inequency 1071 On 1071 ON MBISS Intel® 8256 T LM  BIOS version Phoenix 6.0  BIOS Fash EPROM update by software Recovery BIOS  Audio codec Reatek ALC663  Audio features Internal speaker supports audio playback, High Definition audio, 5.1 surround sound  I/O controller on board  Serial ATA total 4  thereof eSATA 2 (optional)  Controller functions Serial ATA II  NCO and 3 GBI:  AHO ( Raid T/O  Raid		
Mainboard         Mainboard type         D3012           Formfactor         BTX           Chipset         Intel® 045           Processor socket         LGA 775           Processor quantity maximum         1           Processor supports         4 DIMM (DDR3)           Memory Siots         4 DIMM (DDR3)           Supported capacity RAM (max.)         16 GB           Memory frequency         1066 MHz           Memory frequency         1066 MHz           Memory frequency         104 channel support.           For dual channel support.         For dual channel support.           For dual channel support.         For dual channel support.           BIOS features         BIOS Flash EPROM update by software           Recovery BIOS         Audio codec           Audio Features         Internal speaker supports audio playback, High Definition audio, 5.1 surround sound           I/O controller on board         Serial ATA total         4           Serial ATA total         4         4           Controller functions         Serial ATA total         4           Chereof eSATA         2 (optional)           Controller functions         Serial ATA total         NC and 3 Git           AUGio: line-in / microphone         1 <th></th> <th>budi schul culu i ci</th>		budi schul culu i ci
Mainboard type         D3012           Formfactor         BIX           Chipset         Intel® Q45           Processor socket         LCA 775           Processor quantity maximum         1           System bus (FSP / HT QPI)         up 1333 MHz           Memory slos         4 DIMM (DDR3)           Supported capacity RAM (max.)         16 GB           Memory frequency         1066 MHz           Memory frequency         1010 Mnow MBI/Is Intel® 82567 LM           BIOS version         Phoenix 6.0           BIOS Features         BIOS Flash EPROM update by software Recovery BIOS           Recovery BIOS         Realek ALC663           Audio codec         Realek ALC663           Audio features         Internal speaker supports audio playback, High Definition audio, 5.1 surround sound           UF controller on board         Serial ATA II           NCO and 3 GBIt AHI         NCO and 3 GBIt AHI           Active of eSATA         2 (optional)           Controller Innctions         5 Ferrial ATA II           Interfaces         AHI           Audio: line-in / microphone         1           Audio: line-in / microphone         1           Lists in controller on the controller on	Base unit	ESPRIMO P7936 E85+
Formiactor   BTX  Chipset   Intel® Q45  Processor socket   LGA 775  Processor quantity maximum   1  System bus (FSB / HT / OPI)   up to 1333 MHz  Memory slots   4 DIMM (DBR3)  Supported capacity RAM (max)   16 GB  Memory notes   Dual channel support. For dual channel performance, identical memory modules in each channel are necessary (minimum 2 modules).  LAN   10/100/1000 MBit/s Intel® 82567 LM  BIOS version   Phoenix 6. 0  BIOS features   BIOS Flat FPROM update by software Recovery BIOS  Audio codec   Realtek AL C663    Audio relatures   Audio relatures   Audio relatures   Audio relatures   Audio relatures    LO controller on board   Serial ATA III    NCQ and 3 GBit   Audio Relatures	Mainboard	
Chipset         Intel® Q45           Processor socket         LGA 775           Wemony (FSB / HT / QPI)         up to 1333 MHz           Memory solts         4 DIMM (DDR3)           Supported capacity RAM (max.)         16 GB           Memory frequency         10 GB           Memory notes         Dual channel support. For dual thannel performance, identical memory modules in each channel are necessary (minimum 2 modules).           LAN         10 //100 //1000 MBit/s intel® 82.567 LM           BIOS version         Phoenix 6.0           BIOS Features         BIOS Flash EPROM update by software Recovery BIOS           Audio codec         Realtek AL C663           Audio codec         Realtek AL C663           Audio features         4           Vibro controller on board         Serial ATA III           Serial ATA II         NCA and 3 GBIt           AHCI         AHCI           Real AIVI         NCA and 3 GBIt           AHCI         AHCI           Audio: line-in / microphone         1           Audio: line-in / microphone         <	Mainboard type	D3012
Processor socket         LGA 775           Processor quantity maximum         1           System bus (FSB / HT / OPI)         up to 1333 MHz           Memory slots         4 DIMM (DDR3)           Supported capacity RAM (max.)         16 GB           Memory frequency         1066 MHz           Memory notes         Dual channel support. For dual channel performance, identical memory modules in each channel are necessary (minimum 2 modules).           LAN         10/100/1000 MBirls inter® 2567 LM           BIOS version         Phoenix 6.0           BIOS features         BIOS Flash EPROM update by software Recovery BIOS           Audio codec         Realtek ALC663           Audio features         Internal speaker supports audio playback, High Definition audio, 5.1 surround sound           ViO controller on board         Serial ATA total           Serial ATA total         4           4thereof eSATA         2 (optional)           Controller functions         Serial ATA III           NCQ and 3 GBit AHC         AHC           Audio: line-in         1           Audio: line-in microphone         1           Interfaces         1           Line-in microphone         1           Erront audio: microphone         1           1058 Jotal	Formfactor	BTX
Processor quantity maximum System bus (FSB / HT / OPI) up to 1333 MHz Memory slots  4 DIMM (DDR3)  Supported capacity RAM (max.) 166 BH Memory frequency 1066 MHz Memory notes Poul channel support. For dual channel support. For	Chipset	
System bus (FSB / HT / QPI)         up to 1333 MHz           Memory slots         4 DIMM (DDR3)           Supported capacity RAM (max.)         16 GB           Memory frequency         1066 MHz           Memory notes         Dual channel support.           LAN         10 / 100 / 1000 MBit/s Intel® 82567 LM           BIOS version         Phoenix 6.0           BIOS features         BIOS Flash FPROM update by software Recovery BIOS           Audio codec         Realtek ALC663           Audio features         Internal speaker supports audio playback, High Definition audio, 5.1 surround sound           UO controller on board         Serial ATA total           Veneral ATA total         4           Hereof eSATA         2 (optional)           Controller functions         Serial ATA II           MCC and 3 (Bit AHC)         AHC           Audio: line-in         1           Audio: line-in incrophone         1           Audio: line-in incrophone         1           Front audio: microphone         1           Front audio: headphone         1           USB 2.0 total         2           USB Fort         2           USB Fort         4           Hereof 2 optional rear         4	Processor socket	LGA 775
Memory slots         4 DIMM (DDR3)           Supported capacity RAM (max.)         16 GB           Memory frequency         1066 MHz           Memory notes         Dual channel support. For dual channel performance, identical memory modules in each channel are necessary (minimum 2 modules).           LAN         10/100/1000 MBitzs Intel® 82567 LM           BIOS version         Phoenix 6.0           BIOS features         BIOS Flash EPROM update by software Recovery BIOS           Audio codec         Realtek ALC663           Audio features         Realtek ALC663           VIO controller on board         Serial ATA total           Violential Functions         Serial ATA II NCC and 3 GBit ALCA           Controller functions         Serial ATA II NCC and 3 GBit ALCA           Audio: line-in Amicrophone         1           Audio: line-in / microphone         1           Audio: line-in / microphone         1           Cront audio: microphone         1           USB 2.0 total         1           USB 7.0 total         2           USB front         2           USB front         4           USB internal         4           USB internal         4           USB internal         4           USB internal	Processor quantity maximum	
Supported capacity RAM (max.)         16 GB           Memory frequency         1066 MHz           Memory notes         Dual channel support. For dual channel support. For dual channel performance, identical memory modules in each channel are necessary (minimum 2 modules).           LAN         10/100/1000 MBib/s Intel® 82567 LM           BIOS version         Phoenix 6.0           BIOS Features         BIOS Flash EPROM update by software Recovery BIOS           Audio codec         Realtek ALC663           Audio features         Internal speaker supports audio playback, High Definition audio, 5.1 surround sound           I/O controller on board         Serial ATA total         4           Sterial ATA total         4         Controller functions         Serial ATA III           NCQ and 3 GBit AHC         AHCI         Raid I/O           Interfaces         Audio: line-in         1           Audio: line-in / microphone         1           Audio: line-in / microphone         1           Audio: line-out         1           Front audio: microphone         1           USB 2.0 total         2           USB front         2           USB front         2           USB front         2           USB internal         4, thereof 2 optional rear <tr< th=""><th></th><th></th></tr<>		
Memory frequency         1066 MHz           Memory notes         Dual channel support.		
Memory notes Dual channel support. For dual channel performance, identical memory modules in each channel are necessary (minimum 2 modules).  LAN 10/100/1000 MBit/s Intel® 82567 LM BIOS version Phoenix 6.0 BIOS features BIOS Flash EPROM update by software Recovery BIOS Audio codec Realtek ALC663 Audio features Internal speaker supports audio playback, High Definition audio, 5.1 surround sound  VO controller on board  VO controller on board  VO controller functions Serial ATA total 4 thereof eSATA 2 (optional) Controller functions Audio: line-in ALCI Raid 1/0 Raid 1/0  Interfaces  Audio: line-in / microphone 1 Audio: line-in / microphone 1 Audio: line-in / microphone 1 Front audio: microphone 1 1 SUSB 10 total 1 2 USB 2.0 total 1 2 USB 10 font 2 USB 10 font 4 (, thereof 2 optional rear  VOA 1 (optional)  Total () Total (		
For dual channel performance, identical memory modules in each channel are necessary (minimum 2 modules).  LAN 10/100/1000 MBit/s Intel® 82567 LM  BIOS reatures Phoenix 6.0  BIOS flash EPROM update by software Recovery BIOS  Audio codec Realtek ALC663  Audio features Internal speaker supports audio playback, High Definition audio, 5.1 surround sound  I/O controller on board  Serial ATA total 4  thereof eSATA 2 (optional)  Controller functions Serial ATA II NCQ and 3 GBit AHQ AHQ Raid 1/0  Interfaces  Audio: line-in 1  Audio: line-in / microphone 1  Audio: line-in / microphone 1  Front audio: microphone 1  Front audio: microphone 1  LUSB front 2  USB 2.0 total 12  USB Fornt 2  USB Fear 6  USB Rear 6  USB Bietmal 4, thereof 2 optional rear  VCA 1 (optional)		
BIOS reatures BIOS Flash EPROM update by software Recovery BIOS Audio codec Realtek ALC663 Audio features Internal speaker supports audio playback, High Definition audio, 5.1 surround sound  NO controller on board Serial ATA total 4  thereof eSATA 2 (optional) Controller functions Serial ATA II NCQ and 3 GBit AHCI Raid 1/0  Interfaces  Audio: line-in / microphone 1  Audio: line-in / microphone 1  Front audio: microphone 1  Front audio: microphone 1  Front audio: microphone 1  Serial ATA (SATA	Memory notes	
BIOS Flash EPROM update by software Recovery BIOS  Audio codec Realtek ALC663 Internal speaker supports audio playback, High Definition audio, 5.1 surround sound  I/O controller on board  Serial ATA total 4  thereof eSATA 2 (optional)  Controller functions Serial ATA III  NCQ and 3 GBit  AHCI  Raid 1/0  Interfaces  Audio: line-in 1 1  Audio: line-in / microphone 1  Audio: line-out 1  Front audio: microphone 1  Front audio: microphone 1  Front audio: microphone 1  Serial ATA (audio: line-out 1  Front audio: headphone 1  USB 2.0 total 12  USB front 2  USB front 2  USB grear 6  6  USB internal 4, thereof 2 optional rear  VGA 1 (optional)  DisplayPort 1 (optional)	LAN	
Recovery BIOS Audio codec Realtek ALC663 Audio features Internal speaker supports audio playback, High Definition audio, 5.1 surround sound  //O controller on board  Serial ATA total 4 thereof eSATA 2 (optional) Controller functions Serial ATA II NCQ and 3 GBit AHCI Raid 1/0 Raid 1/0  Interfaces  Audio: line-in 1 Audio: line-in / microphone 1 Audio: line-out 1 Front audio: microphone 1 Front audio: microphone 1  LUSB 2.0 total 12  USB front 2  USB front 2  USB front 4  USB rear 6  USB internal 4, thereof 2 optional rear  VGA 1  DisplayPort 1 (optional)	BIOS version	Phoenix 6.0
Audio features  Internal speaker supports audio playback, High Definition audio, 5.1 surround sound  I/O controller on board  Serial ATA total 4  thereof eSATA 2 (optional)  Controller functions  Serial ATA II  NCQ and 3 GBit  AHCI  Raid 1/0  Interfaces  Audio: line-in 1  Audio: line-in / microphone 1  Audio: line-out 1  Front audio: microphone 1  Front audio: headphone 1  USB 2.0 total 12  USB front 2  USB front 2  USB front 3  USB front 4  USB front 5  USB front 6  USB internal 4  4, thereof 2 optional rear  VGA 1  (optional)	BIOS features	
VO controller on board   Serial ATA total   4     thereof eSATA   2 (optional)     Controller functions   Serial ATA II     NCO and 3 GBit     AHCI     Raid 1/0     Raid 1/0     Interfaces     Audio: line-in   1     Audio: line-in / microphone   1     Audio: line-out   1     Front audio: microphone   1     Front audio: headphone   1     USB 2.0 total   12     USB front   2     USB front   2     USB rear   6     USB internal   4, thereof 2 optional rear     VGA   1     DisplayPort   1 (optional)	Audio codec	Realtek ALC663
Serial ATA total       4         thereof eSATA       2 (optional)         Controller functions       Serial ATA II         NCQ and 3 GBit AHCI Raid 1/0       NCQ and 3 GBit AHCI Raid 1/0         Interfaces         Audio: line-in       1         Audio: line-in / microphone       1         Audio: line-out       1         Front audio: microphone       1         Front audio: headphone       1         USB 2.0 total       12         USB front       2         USB rear       6         USB internal       4, thereof 2 optional rear         VGA       1         DisplayPort       1 (optional)	Audio features	Internal speaker supports audio playback, High Definition audio, 5.1 surround sound
Serial ATA total       4         thereof eSATA       2 (optional)         Controller functions       Serial ATA II         NCQ and 3 GBit AHCI Raid 1/0       NCQ and 3 GBit AHCI Raid 1/0         Interfaces         Audio: line-in       1         Audio: line-in / microphone       1         Audio: line-out       1         Front audio: microphone       1         Front audio: headphone       1         USB 2.0 total       12         USB front       2         USB rear       6         USB internal       4, thereof 2 optional rear         VGA       1         DisplayPort       1 (optional)	I/O controller on board	
thereof eSATA Controller functions Controller functions Serial ATA II NCQ and 3 GBit AHCI Raid 1/0  Interfaces  Audio: line-in Audio: line-in / microphone 1 Audio: line-out 1 Front audio: microphone 1 Front audio: headphone 1 USB 2.0 total 12 USB front 2 USB front 2 USB rear 6 USB internal 4, thereof 2 optional rear VGA 1 (optional)		4
Controller functions  Serial ATA II  NCQ and 3 GBit  AHCI  Raid 1/0  Interfaces  Audio: line-in 1 1  Audio: line-in / microphone 1  Audio: line-out 1  Front audio: microphone 1  Front audio: headphone 1  USB 2.0 total 12  USB front 2  USB front 2  USB rear 6  USB internal 4, thereof 2 optional rear  VGA 1  DisplayPort 1 (optional)	thereof eSATA	
AHCI Raid 1/0  Interfaces  Audio: line-in 1 Audio: line-in / microphone 1 Audio: line-out 1 Front audio: microphone 1 Front audio: headphone 1 USB 2.0 total 12 USB front 2 USB front 2 USB rear 6 USB internal 4, thereof 2 optional rear VGA 1 DisplayPort 1 (optional)	Controller functions	
Interfaces Audio: line-in 1 Audio: line-in / microphone 1 Audio: line-out 1 Front audio: microphone 1 Front audio: headphone 1 USB 2.0 total 12 USB front 2 USB rear 6 USB internal 4, thereof 2 optional rear VGA 1 DisplayPort 1 (optional)		
Audio: line-in 1 Audio: line-in / microphone 1 Audio: line-out 1 Front audio: microphone 1 Front audio: headphone 1 USB 2.0 total 12 USB front 2 USB rear 6 USB internal 4, thereof 2 optional rear VGA 1 DisplayPort 1 (optional)		
Audio: line-in / microphone 1 Audio: line-out 1 Front audio: microphone 1 Front audio: headphone 1 USB 2.0 total 12 USB front 2 USB front 2 USB rear 6 USB internal 4, thereof 2 optional rear VGA 1 DisplayPort 1 (optional)		Raid 1/0
Audio: line-in / microphone 1 Audio: line-out 1 Front audio: microphone 1 Front audio: headphone 1 USB 2.0 total 12 USB front 2 USB rear 6 USB internal 4, thereof 2 optional rear VGA 1 DisplayPort 1 (optional)	Interfaces	
Audio: line-out Front audio: microphone 1 Front audio: headphone 1 USB 2.0 total USB front 2 USB front 0 USB rear 6 USB internal 4, thereof 2 optional rear VGA 1 (optional)	Audio: line-in	1
Front audio: microphone 1 Front audio: headphone 1 USB 2.0 total 12 USB front 2 USB rear 6 USB internal 4, thereof 2 optional rear VGA 1 DisplayPort 1 (optional)	Audio: line-in / microphone	1
Front audio: headphone 1 USB 2.0 total 12 USB front 2 USB rear 6 USB internal 4, thereof 2 optional rear VGA 1 (optional)	Audio: line-out	1
USB 2.0 total       12         USB front       2         USB rear       6         USB internal       4, thereof 2 optional rear         VGA       1         DisplayPort       1 (optional)	Front audio: microphone	1
USB front         2           USB rear         6           USB internal         4, thereof 2 optional rear           VGA         1           DisplayPort         1 (optional)	Front audio: headphone	
USB rear 6 USB internal 4, thereof 2 optional rear VGA 1 DisplayPort 1 (optional)	USB 2.0 total	
USB internal 4, thereof 2 optional rear VGA 1 DisplayPort 1 (optional)	USB front	
VGA 1 DisplayPort 1 (optional)	USB rear	
DisplayPort 1 (optional)	USB internal	4, thereof 2 optional rear
	VGA	·
	DisplayPort	
, , ,	DVI	1 (optional)
	Serial (RS-232)	
Mouse / Keyboard (PS/2) 2	Mouse / Keyboard (PS/2)	2

Interfaces	
Ethernet (RJ-45)	1
Parallel	1 (optional) (25pin with EPP and ECP)
Interface Module notes	Anytime USB charge functionality
Input device / components	
	Optical USB tilt wheel mouse
Input devices (optional)	Optical USB/PS2 tilt wheel mouse
Drive bays	
Drive bays total	6
3.5-inch internal bays 3.5-inch external bays	2
5.25-inch external bays	2 2
·	
Slots	
PCI-Express 2.0 x16	1 x (230 mm) FlexySlot
PCI-Express x4 (mech. x8)	1 x (230 mm) Full height
PCI (32-bit / 33 MHz)	2 x (170 / 315 mm) Full height
Graphics on board	
Graphics brand name	Intel® GMA 4500
Shared video memory	up to 1759 MB
Refresh rate 1024 x 768 (recommended	85 Hz / -
/ max.)	
Refresh rate 1280 x 1024	85 Hz / -
(recommended / max.)	
Refresh rate 1600 x 1200	85 Hz / -
(recommended / max.)	12(0 v. 7(0 pixel
TFT resolution (VGA)	1360 x 768 pixel 1440 x 900 pixel
	1600 x 900 pixel
	1680 x 1050 pixel
	1920 x 1080 pixel
	1920 x 1200 pixel
TFT resolution (DVI)	1360 x 768 pixel
	1440 x 900 pixel
	1600 x 900 pixel
	1680 x 1050 pixel 1920 x 1080 pixel
	1920 x 1200 pixel
TFT resolution (DisplayPort)	1360 x 768 pixel
(Dispisy: e.s)	1440 x 900 pixel
	1600 x 900 pixel
	1680 x 1050 pixel
	1920 x 1080 pixel
	1920 x 1200 pixel
	2560 x 1440 pixel
Craphics features	2560 x 1600 pixel  DirectX 10
Graphics features	HDCP support
	OpenGL® 2.0
Graphics notes	Tested resolutions, depending on display type additional resolutions and frequencies possible
	Shared memory depending on main memory size and operating system
	Resolution (color depth up to 32 Bit/pixel)
	For TFT we recommend using 60Hz
Electrical values	
Power efficiency note	power supply efficiency (at 230V; 20% / 50% / 100% load) : 85% / 87% / 85%
	1 11 1 - 1/4 1 1

Page 4 / 8

Electrical values	
	0-Watt mode with hard-off switch
Rated voltage range	100 V - 240 V
Rated frequency range	50 Hz - 60 Hz
Operating voltage range	90 V - 264 V
Operating line frequency range	47 Hz - 63 Hz
Max. output of single power supply	300 W
Power factor correction/active power	active
Monitor outlet	No
Power consumption	
Power consumption note	See white paper Energy Consumption  O-Watt mode with hard-off switch
Link to Energy White Paper	http://docs.ts.fujitsu.com/dl.aspx?id=e3b5f294-967b-40cf-b3cd-b3e12d6c3a03
Heat dissipation	
Heat dissipation notes	See white paper Energy Consumption
Noise for standard configuration (HDD, 0	ODD, FDD)
Noise emission	According to ISO9296
Related Processors for noise	Intel® Core™2 Duo E8600
Noise Operation mode 1: ODD load	4.3 B / 28 dB(A)
(Blue angel requirement)	
Noise Operation mode 2: HDD load (Blue angel requirement)	3.5 B / 18 dB(A)
Noise Operation mode 3: CPU 90% load (Blue angel requirement)	3.4 B / 17 dB(A)
Noise Operation mode 4: High load	3.5 B / 18 dB(A)
Noise Operation mode 5: Office	3.5 B / 18 dB(A)
applications	
Idle mode (Blue Angel requirement)	3.4 B / 17 dB(A)
Noise notes / description	A weighted sound power level Lwad (in B) / workplace related A-weighted sound pressure level LpAm (in dB(A)),
	Bystander position
Dimensions / Weight / Environmental	
Dimensions (W x D x H)	203 x 390 x 392 mm
Operating position	Vertical
Weight	approx. 12 kg
Weight notes	Actual weight may vary depending on configuration
Operating ambient temperature	10 - 35℃
Compliance	
Product	ESPRIMO P7936
Model	MI3W-D3012
Germany	GS optional
Europe	CE
	Nordic Swan
USA/Canada	FCC Class B cCSAus
Global	RoHS (Restriction of hazardous substances) WEEE (Waste electrical and electronic equipment) Microsoft Operating Systems (HCT / HCL entry / WHQL)
Compliance link	https://sp.ts.fujitsu.com/sites/certificates/default.aspx
Additional Software	
Additional software (preinstalled)	Nero Essentials S (burning software)
Additional Software (premistance)	neto Essentials 5 (Jahring Saturate)

Page 5 / 8 http://ts.fujitsu.com/ESPRIMO

Additional Software	
Additional software (optional)	Recovery DVD for Windows® Drivers & Utilities DVD (DUDVD) CyberLink PowerDVD BD (playback software for Blu-ray Disc™, only with Blu-ray Disc™ drive / Blu-ray playback is not supported under Windows XP if the system runs on Intel onboard graphics) Nero 9 Essentials XL
Miscellaneous	
	Thermal management Keyboard on (Special Fujitsu keyboard required) Extended lifetime
Compatibility (references)	
	DMI 2.0 PC 2001 WMI 1.5 USB 2.0 SMBIOS
——————————————————————————————————————	
Manageability technology	DeskUpdate Driver management PXE 2.1 Boot code Wake up from S5 (off mode) Intrusion switch (optional) iAMT 5.0
Manageability software	DeskView 10.x client management including:
DeskView components	On/Offline remote client management Detailed system inventory management and reports BIOS Management Remote power management System notifications Advanced alerts (ASF implementation) Security Remote Control DeskView Helpdesk Integration WoL (Wake on LAN)
Security	
System protection	Kensington Lock support Eye for padlock Optional: Integrated cabinet lock
Audit proof protection	Boot sector virus protection Write protect option for the Flash EPROM Embedded security (TPM 1.2) Control of all USB interfaces External USB ports can be disabled separately Boot protection for floppy disk / CD drive and write protection for floppy disk drive Control of external interfaces
Access protection	User and supervisor BIOS password SystemLock 2 BIOS SmartCard Security Hard disk password Optional: Access protection via external SmartCard reader Optional: Access protection via internal SmartCard reader
 Serviceability	
,	FlexySlot EasyFix EasyChange for HDD EasyChange for optical drives
Packaging information	
Packaging dimension	500x290x540 mm

Page 6 / 8

Packaging information	
Max. quantity / pallet	24
Material - Weight (g) Carton	1270 g
Material - Weight (g) EPS / PS	210 g
Material - Weight (g) PE	аррг. 60 g
Packaging notes	printed user documentation is bleached in chlorine free process
Warranty	
Standard Warranty	3 years
Service level	Bring-In / On-Site Service (depending on country)
Maintenance and Support Services - the perfect extension	
Recommended Service	5x9, Response Time: Next Business Day
Spare Parts availability	5 years
Service Weblink	http://ts.fujitsu.com/Supportservice
Service level  Maintenance and Support Services - the p Recommended Service  Spare Parts availability	Bring-In / On-Site Service (depending on country)  perfect extension  5x9, Response Time: Next Business Day  5 years

Page 7 / 8 http://ts.fujitsu.com/ESPRIMO

### More information

#### Fujitsu platform solutions

In addition to Fujitsu ESPRIMO P7936 E85+, Fujitsu provides a range of platform solutions. They combine reliable Fujitsu products with the best in services, know-how and worldwide partnerships.

#### **Dynamic Infrastructures**

With the Fujitsu Dynamic Infrastructures approach, Fujitsu offers a full portfolio of IT products, solutions and services, ranging from clients to datacenter solutions, Managed Infrastructure and Infrastructure as-a-Service. How much you benefit from Fujitsu technologies and services depends on the level of cooperation you choose. This takes IT flexibility and efficiency to the next level.

#### **Computing Products**

www.fujitsu.com/global/services/computing/

#### Software

www.fujitsu.com/software/

#### More information

Learn more about Fujitsu ESPRIMO P7936 E85+, please contact your Fujitsu sales representative or Fujitsu Business partner, or visit our website.

http://ts.fujitsu.com/ESPRIMO

#### Fujitsu green policy innovation

Fujitsu Green Policy Innovation is our worldwide project for reducing burdens on the environment. Using our global know-how, we aim to resolve issues of environmental energy efficiency through IT. Please find further information at http://www.fujitsu.com/global/about/environment/



#### Copyrights

All rights reserved, including intellectual property rights. Changes to technical data reserved. Delivery subject to availability. Any liability that the data and illustrations are complete, actual or correct is excluded. Designations may be trademarks and/or copyrights of the respective manufacturer, the use of which by third parties for their own purposes may infringe the rights of such owner.

For further information see http://ts.fujitsu. com/terms\_of\_use.html Copyright © Fujitsu Technology Solutions

#### Disclaimer

Technical data are subject to modification and delivery subject to availability. Any liability that the data and illustrations are complete, actual or correct is excluded. Designations may be trademarks and/or copyrights of the respective manufacturer, the use of which by third parties for their own purposes may infringe the rights of such owner

#### Contact

FUJITSU Technology Solutions Website: http://ts.fujitsu.com 2011-07-29 CE-EN All rights reserved, including intellectual property rights. Changes to technical data reserved. Delivery subject to availability. Any liability that the data and illustrations are complete, actual or correct is excluded.

Designations may be trademarks and/or copyrights of the respective manufacturer, the use of which by third parties for their own purposes may infringe the rights of such owner.

For further information see http://ts.fujitsu.com/terms\_of\_use.html
Copyright © Fujitsu Technology Solutions